FIG.1

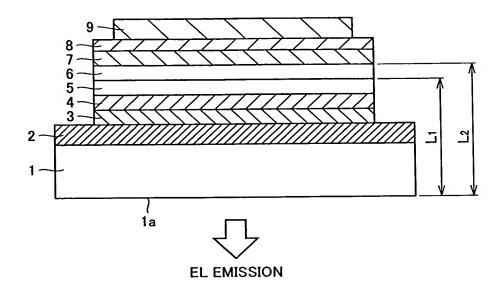


FIG.2

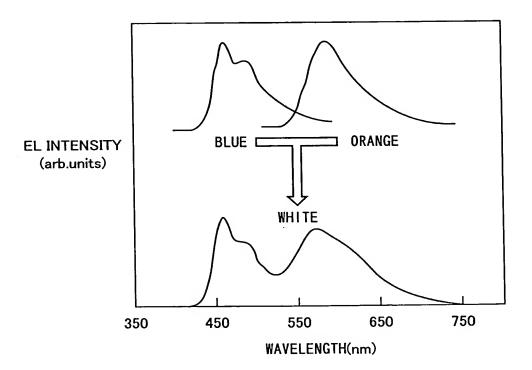


FIG.3

J. 1					
ELECTRON INJECT ING LAYER/CATHODE	LiF/AI	(mu/mu)	1/200	1/200	1/200
ELECTRON ELECTRON TRANSPORT INJECTIN LAYER LAYER/CA	Alq3	(mu)	10	10	9
EM I SS I ON	TBP	(%)	2%	2%	2%
BLUE LAYER	TBADN	(mu)	09	20	35
HOLE ORANGE EMISSION BLUE EMISSION IRANSPORT LAYER LAYER	DBzR		3%	3%	3%
ORANGI LAYER	NPB	(mu)	10	10	<u></u>
HOLE TRANSPORT LAYER	NPB	(mu)	70	70	65
ING	SF _x	(mu)	2	2	7
HOLE INJECTING LAYER	CuPC CFx	(mm)	10	10	10
TRNAS- Parent Anode	OLI	(mu)	85	85	82
GLASS TRNAS- SUB- PARENT STRATE ANODE	Glass		0.7	0.7	0.7
			COMPARATIVE EXAMPLE 2	COMPARATIVE EXAMPLE 1	FMENT

FIG.4

		Glass	П0	CuPC+CFx	NPB	NPB+DB2R	TBADN+TBP	Alq3	TOTAL OPTICAL DICINAL FRACTION FILM THICKNESS OF m VALUE	DICIMAL FRACTION OF m VALUE	γ (nm)
	(nm)	7000000	85	12	70	10	09	10			
COMPARATIVE	OPTICAL DISTANCE OF RED	10850000	153	13.2	126	18			10850310	0.528	270
EXAMPLE 2	OFTICAL DISTANCE	10850000	170	19.2	126	81	108		10850441	0.663	460
	OPTICAL DISTANCE OF GREEN	10850000	170	18	126	18	108		10850440	0.490	210
	FILM THICKNESS (rim)	7000000	82	12	07	10	20	유			
COMPARATIVE	OPTICAL DISTANCE OF RED	10850000	153	13.2	126	18			10850310	0.528	270
EXAMPLE 1	OFTICAL DISTANCE	10850000	170	19.2	126	82	38		10850369	0.037	460
	OPTICAL DISTANCE OF GREEN	10850000	170	18	126	18	36		10850368	0.925	510
	FILM THICKNESS (rm)	700000	85	12	65	10	35	10			
FIRST	FIRST OPTICAL DISTANCE OF RED	1085000	153	13.2	117	18			1085301.2	0.149	570
	OF BLOE DISTANCE	1085000	170	19.2	111	18	63		1085387.2	0.150	460
	OPTICAL DISTANCE OF GREEN	1085000	170	18	117	18	63		1085386	0.831	510

FIG.5

INDEX OF REFRACTION OF EACH LAYER AT EACH

WAVELENGTH OF RED, GREEN AND BLUE

MEASURED WAVELENGTH(nm)	Glass	ITO	CuPC+CFx	NPB	NPB+DBzR	TBADN+TBP
570(RED)	1.55	1.8	1.1	1.8	1.8	1.8
460(BLUE)	1.55	2	1.6	1.8	1.8	1.8
510(GREEN)	1.55	2	1.5	1.8	1.8	1.8

FIG.6

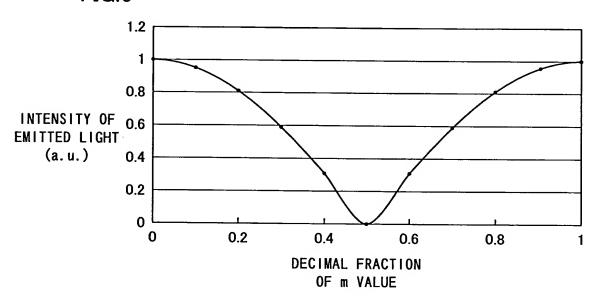


FIG.7

	OPERATING VOLTAGE	CHROMA	TICITY	LUMINOUS EFFICIENCY
	(V)	CIE X	CIE Y	(cd/A)
COMPARATIVE EXAMPLE 2	6.78	0.25	0.29	8.62
COMPARATIVE EXAMPLE 1	6.58	0.27	0.32	11.16
FIRST EMBODIMENT	6.35	0.29	0.39	13.31

FIG.8

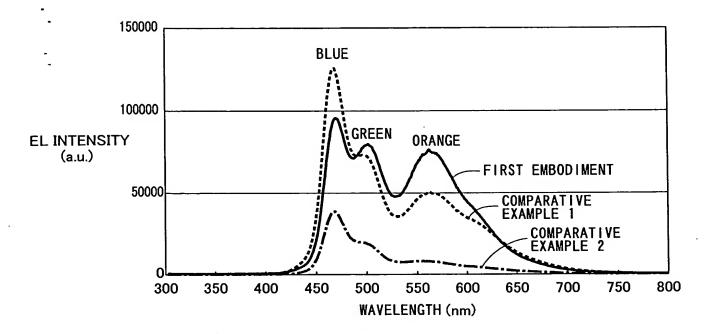


FIG.9

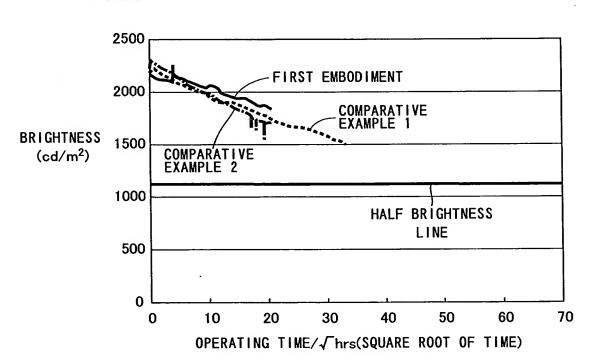


FIG.10

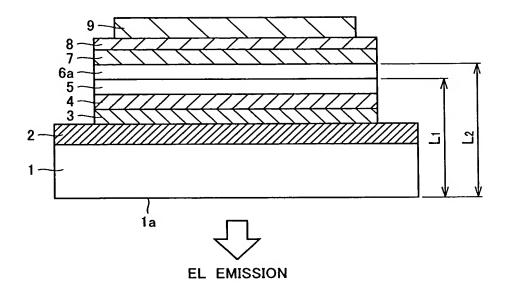


FIG.11

ELECTRON INJECTING LAYER/CATHODE	LiF/Al (nm/nm)	1/200	1/200	1/200
ELECTRON ELECTRON TRANSPORT INJECTING LAYER	Alq3 (nm)	2	10	10
EMISSION	TBP (%)	2%	5%	2%
BLUE LAYER	TBADN (nm)	95	75	75
HOLEL TRANSPORT LAYER LAYER	DBzR (%)	3%	3%	3%
ORAMG	NPB (nm)	10	10	10
HOLEL TRANSPORT LAYER	NPB (nn)	50	40	09
ING	CFx (nm)	2	2	2
HOLE INJECTING LAYER	CuPC CFx (nm)	9	10	10
TRNAS- Parent Anode	170 (mm)	85	85	85
GLASS TRNAS— SUB— PARENT STRATE ANODE	Glass (mm)	0.7	0.7	0.7
		COMPARATIVE EXAMPLE 1	COMPARATIVE EXAMPLE 2	SECOND EMBOD IMENT

		Glass	<u></u>	CuPC+CFx	NPB	NPB+DBzR	TBADN+TBP	Alq3	TOTAL OPTICAL D	ICIMAL FRACTION F m VALUE	γ (nm)
	FILM THICKNESS (nm)	700000	82	12	22	10	95	10			
COMPARATIVE	COMPARATIVE OF RED DISTANCE 1085000	1085000	153	13.2	06	18			1085274.2	0.959	570
EXAMPLE 1	OFTICAL DISTANCE	1085000	170	19.2	06	18	171		1085387.2	0.150	460
	OPTICAL DISTANCE	1082000	170	8	06	18	171		1085386	0.831	510
	FILM THICKNESS	700000	83	12	40	10	75	9			
COMPARATIVE	OPTICAL DISTANCE	1085000	153	13.2	72	18			1085256.2	0.833	570
EXAMPLE 2	OFTICAL DISTANCE	1082000	170	19.2	72	8	135		1085333.2	0.680	460
	OPTICAL DISTANCE	1085000	170	18	72	18	135		1085332	0.408	510
	FILM THICKNESS	70000	82	12	09	10	75	9			
SECOND	OPTICAL DISTANCE	1085000	153	13.2	108	18			1085292.2	0.086	570
EMBOD I MENT	OPTICAL DISTANCE	1082000	170	19.2	108	8	135		1085369.2	0.993	460
	OPTICAL DISTANCE	1085000	170	48	108	18	135		1085368	0.690	510

FIG.13
INDEX OF REFRACTION OF EACH LAYER AT EACH WAVELENGTH OF RED, GREEN AND BLUE

MEASURED WAVELENGTH(nm)	Glass	ITO	CuPC+CFx	NPB	NPB+DBzR	TBADN+TBP
570(RED)	1.55	1.8	1.1	1.8	1.8	1.8
460 (BLUE)	1.55	2	1.6	1.8	1.8	1.8
510 (GREEN)	1.55	2	1.5	1.8	1.8	1.8

FIG.14

	OPERATING VOLTAGE	CHROMA	TICITY	LUMINOUS EFFICIENCY
	(V)	CIE X	CIE Y	(cd/A)
COMPARATIVE EXAMPLE 1	5.37	0.36	0.40	8.14
COMPARATIVE EXAMPLE 2	5.15	0.36	0.42	7.42
SECOND EMBODIMENT	6.71	0.35	0.39	10.02

FIG.15

